

**Amendment to the Claims:**

This listing of claims will replace all prior versions, and listings, of claims in the application:

**Listing of Claims:**

Claim 1 (currently amended): A [In a] computer implemented [system, a] method of aligning scanned images, comprising:  
convolving a scanned image with a filter, the scanned image including a first pattern that the filter will convolve into a second pattern in a convolved image; and  
aligning the scanned image according to a position of the second pattern in the convolved image.

Claims 2-23 (canceled)

Claim 24 (new): The method of claim 1, further comprising identifying the second pattern in the convolved image.

Claim 25 (new): The method of claim 1, wherein convolving a scanned image with a filter comprises setting a convolved pixel to a difference in intensity between an odd pixel and an even pixel of the first pattern.

Claim 26 (new): The method of claim 25, wherein the odd pixel has the lowest intensity of the odd pixels and the even pixel has the highest intensity of the even pixels, if the average intensity of the odd pixels is greater than the average intensity of the even pixels.

Claim 27 (new): The method of claim 25, wherein the odd pixel has the highest intensity of the odd pixels and the even pixel has the lowest intensity of the even pixels, if the average intensity of the odd pixels is not greater than the average intensity of the even pixels.

Claim 28 (new): The method of claim 1, wherein the first pattern is a checkerboard pattern.

Claim 29 (new): The method of claim 1, wherein the second pattern is a grid pattern.

Claim 30 (new): The method of claim 1, wherein aligning the scanned image comprises aligning a grid over the scanned image.

Claim 31 (new): The method of claim 30, further comprising adjusting the position of the grid to minimize a sum of the intensities of pixels along a direction in the grid.

Claim 32 (new): The method of claim 1, wherein the scanned image includes multiple copies of the first pattern.

Claim 33 (new): The method of claim 32, wherein the scanned image is a rectangle with a copy of the first pattern near each corner.

Claim 34 (new): A computer program product that aligns scanned images, comprising:  
computer code that convolves a scanned image with a filter, the scanned image including a first pattern that the filter will convolve into a second pattern in a convolved image;  
computer code that aligns the scanned image according to a position of the second pattern in the convolved image; and  
a computer readable medium that stores the computer codes.

Claim 35 (new): The computer program product of claim 34, wherein the computer readable medium is a CD-ROM, floppy disk, tape, flash memory, system memory, hard drive, and a data signal embodied in a carrier wave.

Claim 36 (new): The computer program product of claim 34, further comprising computer code that identifies the second pattern in the convolved image.

Claim 37 (new): The computer program product of claim 34, wherein convolving a scanned image with a filter comprises setting a convolved pixel to a difference in intensity between an odd pixel and an even pixel of the first pattern.

Claim 38 (new): The computer program product of claim 37, wherein the odd pixel has the lowest intensity of the odd pixels and the even pixel has the highest intensity of the even pixels, if the average intensity of the odd pixels is greater than the average intensity of the even pixels.

Claim 39 (new): The computer program product of claim 37, wherein the odd pixel has the highest intensity of the odd pixels and the even pixel has the lowest intensity of the even pixels, if the average intensity of the odd pixels is not greater than the average intensity of the even pixels.

Claim 40 (new): The computer program product of claim 34, wherein the first pattern is a checkerboard pattern.

Claim 41 (new): The computer program product of claim 34, wherein the second pattern is a grid pattern.

Claim 42 (new): The computer program product of claim 34, wherein aligning the scanned image comprises aligning a grid over the scanned image.

Claim 43 (new): The computer program product of claim 42, further comprising adjusting the position of the grid to minimize a sum of the intensities of pixels along a direction in the grid.

Claim 44 (new): The computer program product of claim 34, wherein the scanned image includes multiple copies of the first pattern.

Claim 45 (new): The computer program product of claim 44, wherein the scanned image is a rectangle with a copy of the first pattern near each corner.